

FIG. 1

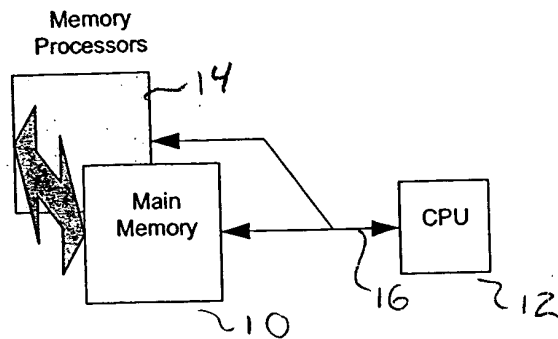
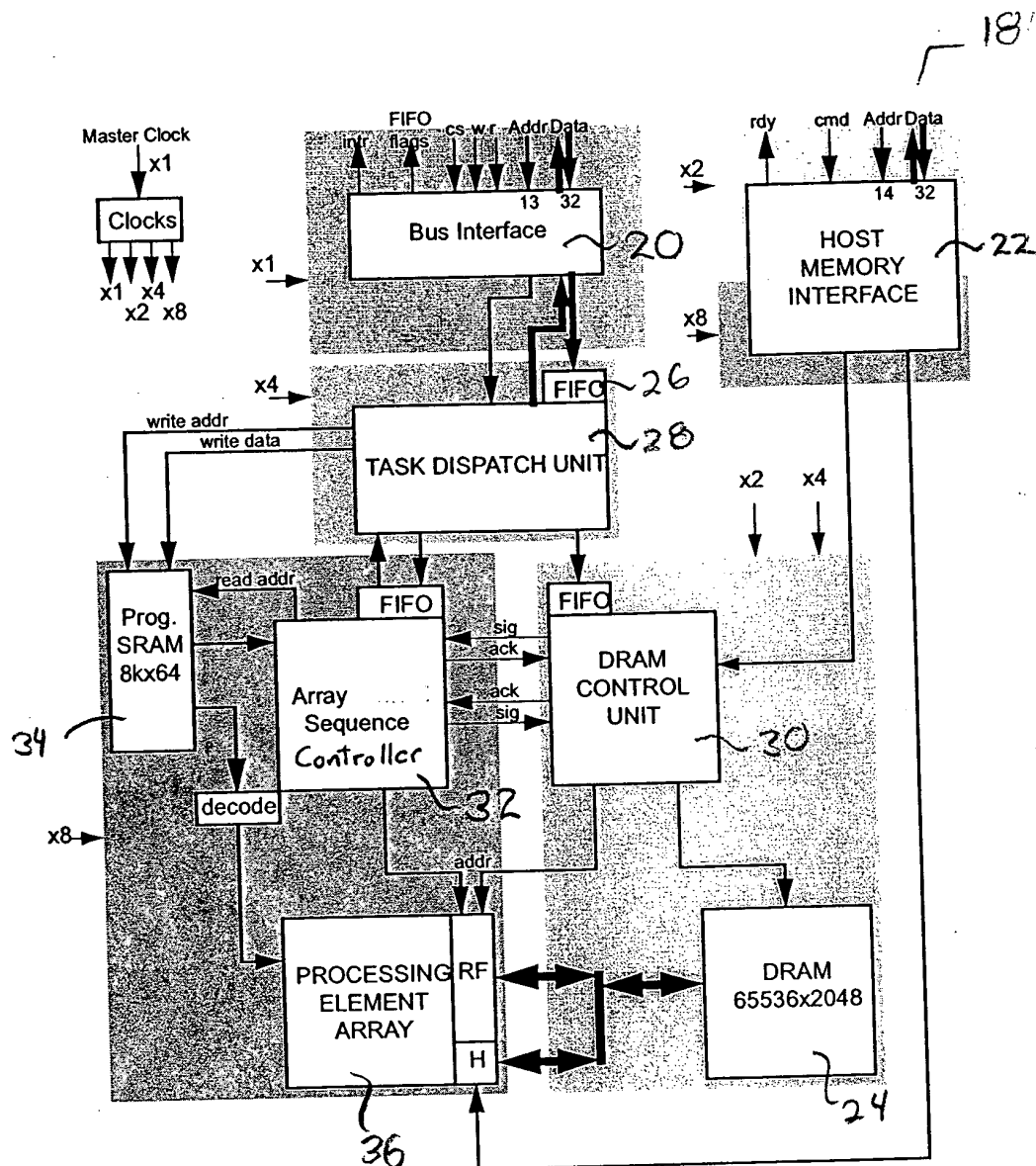


FIG. 2



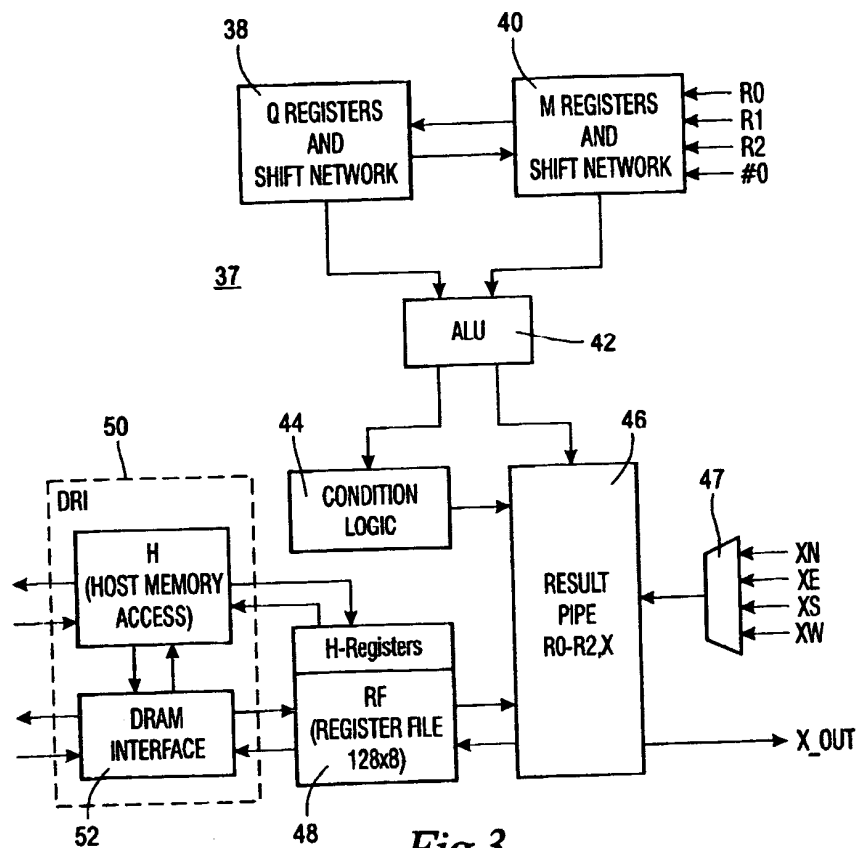


Fig.3

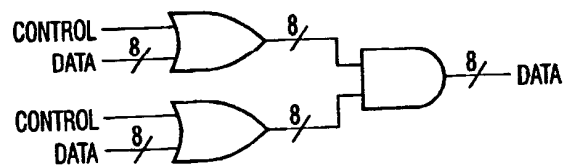
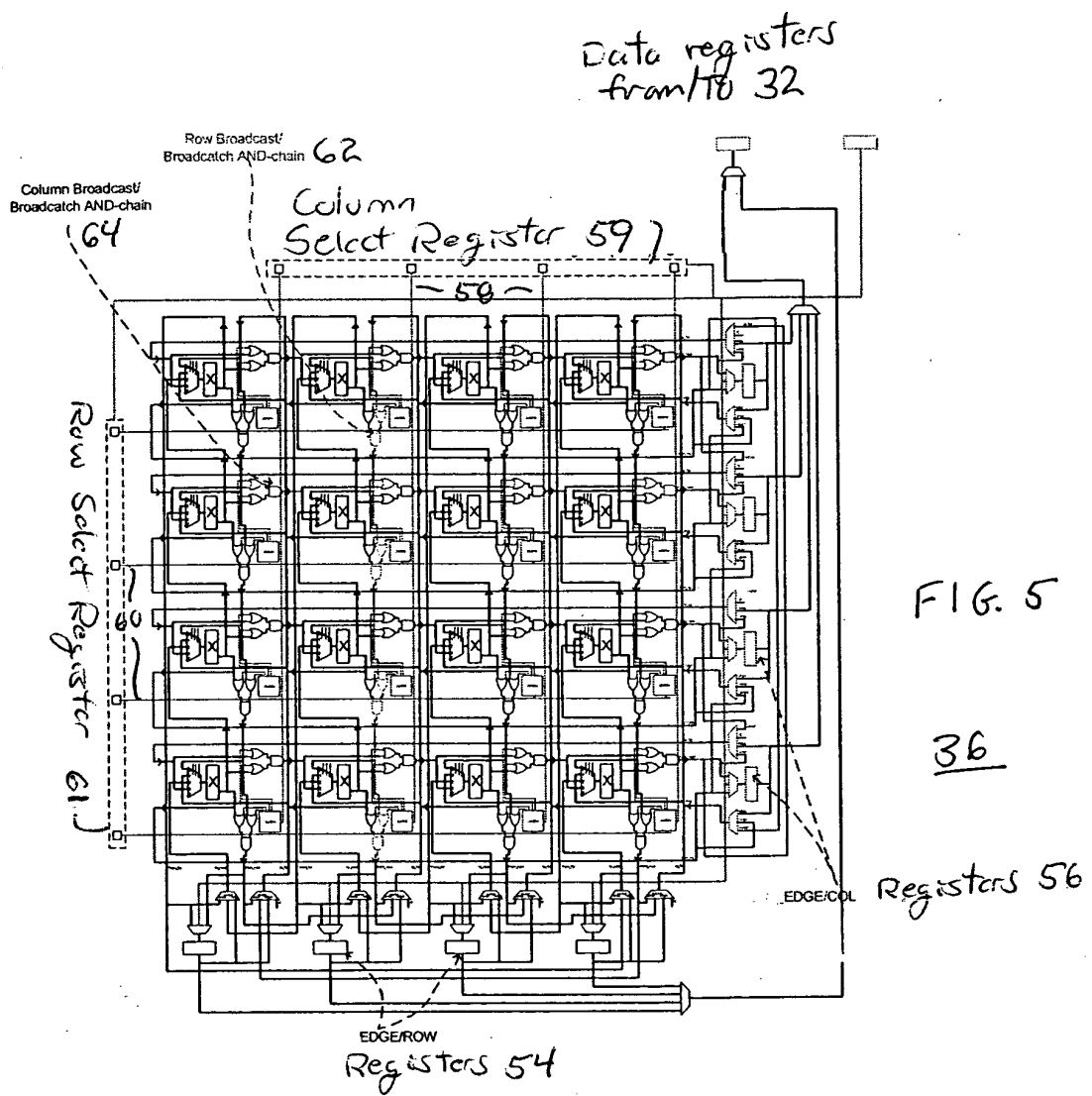
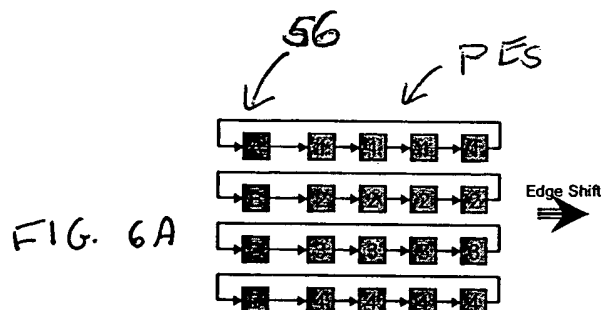
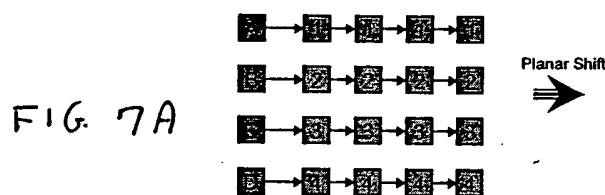
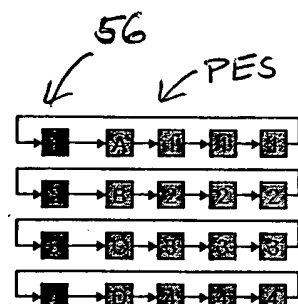


Fig.4

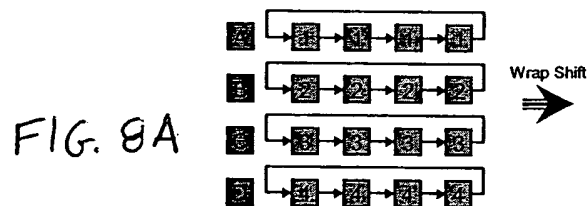
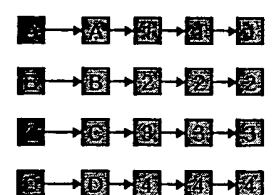




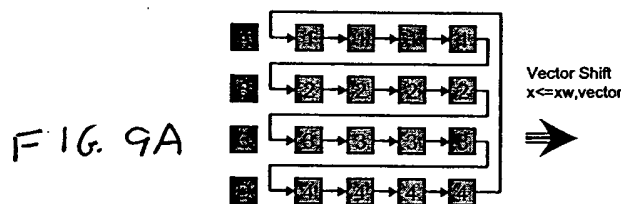
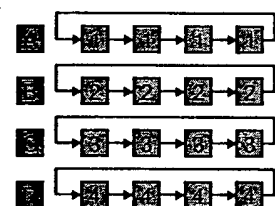
Edge Shift



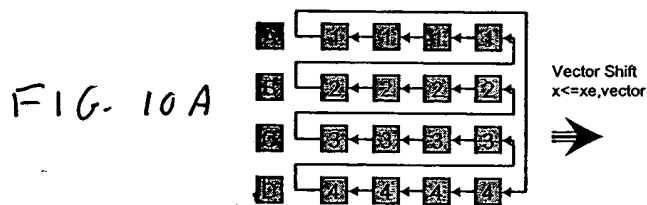
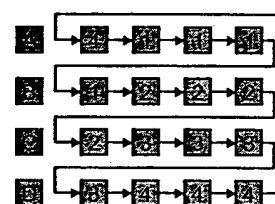
Planar Shift



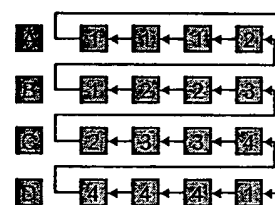
Wrap Shift



Vector Shift  
 $x \leftarrow xw, vector$



Vector Shift  
 $x \leftarrow xe, vector$



Data is broadcast from edge registers

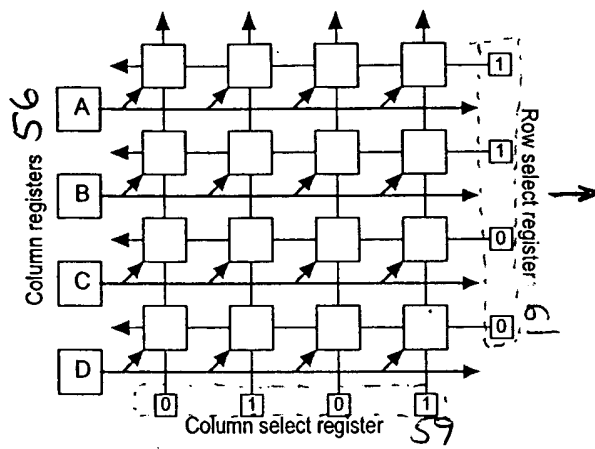


FIG. 11A

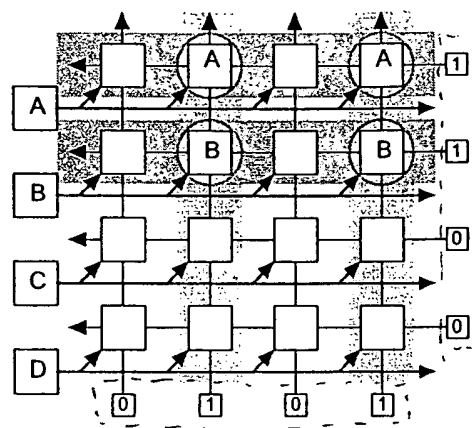


FIG. 11B

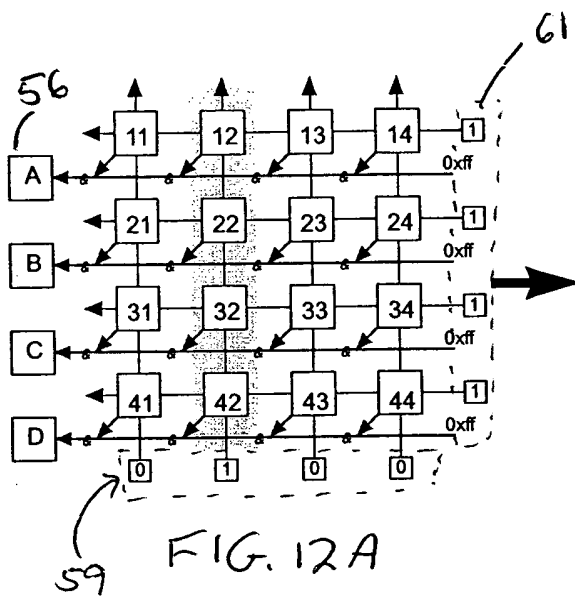


FIG. 12A

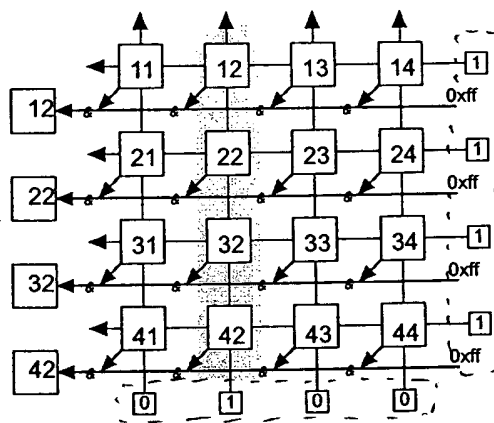


FIG. 12B

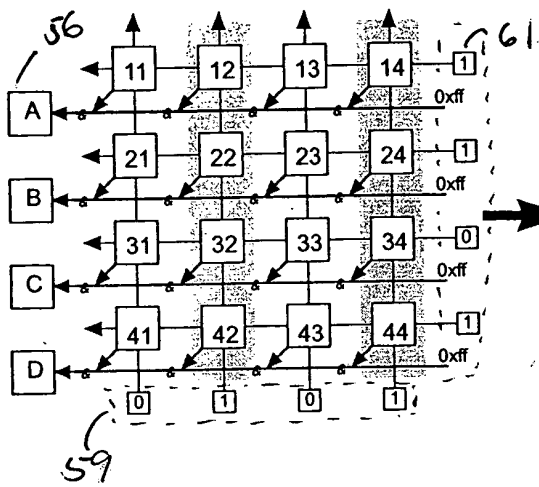


FIG. 13A

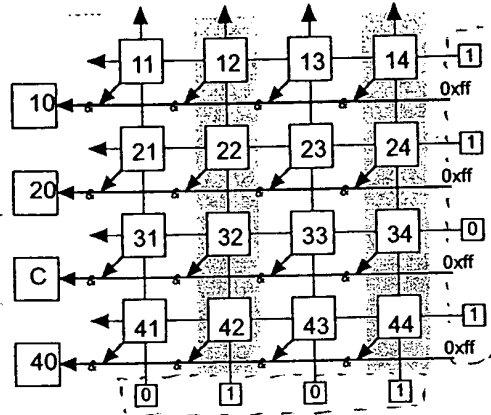


FIG. 13B

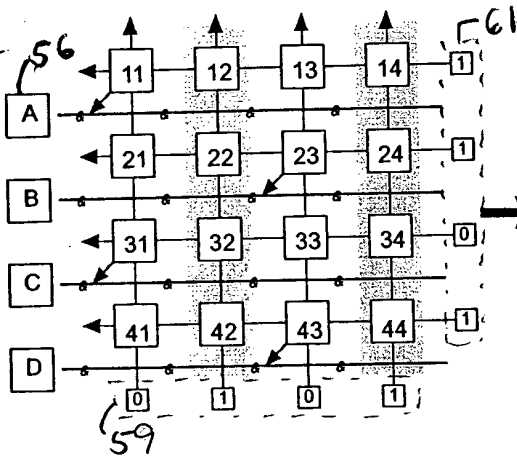


FIG. 14A

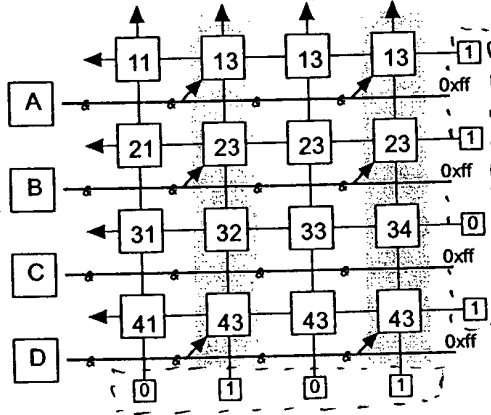


FIG. 14B